



LAND



SEA



AIR



ROC280-A

**1U 19" DC-DC SHORT DEPTH
FANLESS SERVER**



- MIL-STD 810 Anti Vibration, Shock
- Intel® Raptor Lake -S/R 14th/13th Gen Processor
- DDR5 5200 MHz Up to 64GB
- 4 Independent Graphic Output (2x DisplayPort, 2x HDMI)
- 3 x LAN, 6 x USB3.1 , 2 x USB2.0, 1 x Line-out/Mic-in
- 2 x 2.5" SATA HDD/SSD Easy Swap Tray
- DC-IN 12V~36V
- Operation Temp. -20°C ~ 60°C (Options for -40°C)

Specifications

SYSTEM

HighPerformance Processor	14th/13th Gen Intel® Raptor Lake-R/Raptor Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor / TDP 65W
Memory type	DDR5 4800 MHz / 2 x 262-pin SO-DIMM / Max. 64 GB (Non-ECC)
Chipset	Intel® Q670 Chipset

DISPLAY

DP	Resolution up to 4096 x 2304 @60Hz
HDMI	Resolution up to 4096 x 2304 @60Hz

STORAGE

HDD/SDD	2x 2.5" Solid State Disk (SSD) 2x SATAIII
---------	--

ETHERNET

Ethernet	1 x Intel® I226-LM 2.5Giga LAN 2 x Intel® I226-V 2.5Giga LAN
----------	---

FRONT I/O

DisplayPort	2 x DP
HDMI	2 x HDMI
Ethernet	4 x 2.5GbE RJ45
Audio	1 x Mic-in, 1 x Line-out
USB Port	6 x USB 3.1
Easy Swap SSD Tray	2
DC-IN	1 x DC plug
Button	1 x Power Button w/Indicator LED
Indicator LED	SSD

POWER REQUIREMENT

Power Input	DC-IN 12~36V
-------------	--------------

PHYSICAL

Dimension (W x D x H)	430 x 400 x 44.4 mm
Chassis	SECC

Heatsink Aluminum Alloy, Corrosion Resistant

Finish Anodic aluminum oxide

ENVIRONMENTAL

MIL-STD-810 Compliance Method 507.5, Procedure II (Temperature & Humidity)
Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock)
Method 516.6 Shock-Procedure I Operating (Mechanical Shock)
Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration)
Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration)
Method 501.5, Procedure I (Storage/High Temperature)
Method 501.5, Procedure II (Operation/High Temperature)
Method 502.5, Procedure I (Storage/Low Temperature)
Method 502.5, Procedure II (Operation/Low Temperature)
Method 503.5, Procedure I (Temperature shock)

Green Product RoHS compliance

Operating Temperature -20 to 60°C (Options for -40°C)

Storage Temperature -40 to 85°C

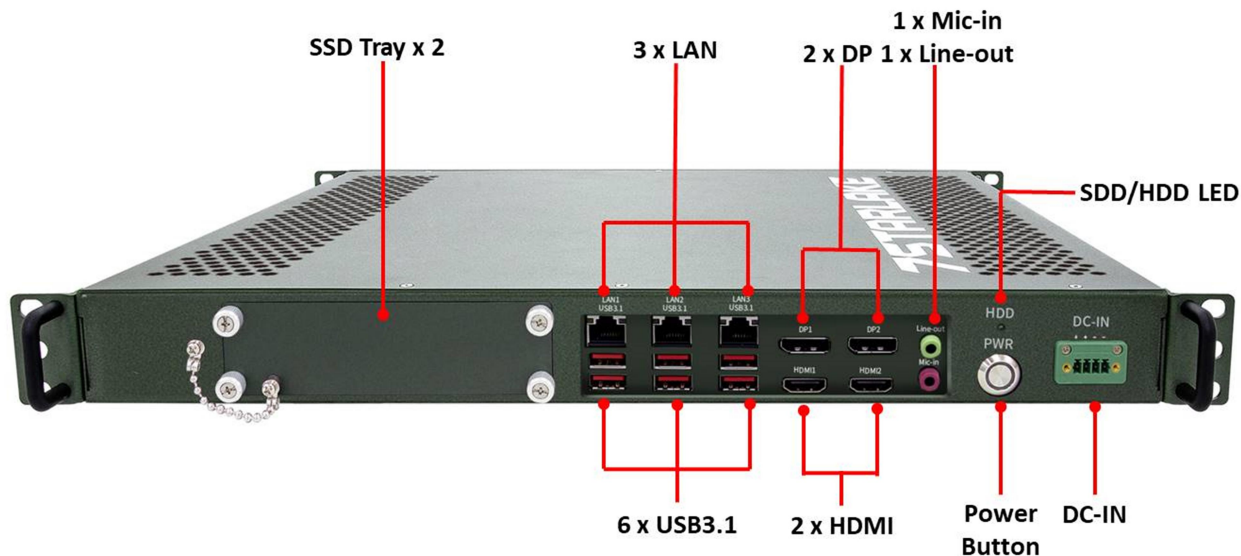
Relative Humidity 5% to 95%, non-condensing

EMC CE and FCC compliance

OPERATING SYSTEM

Operating System Windows 10/11 64Bit
Linux (support by request)

IO Placement



Ordering Information

ROC280-A

1U 19" DC-DC Fanless System with Intel® Raptor Lake-R/S 14th/13th Processor(Up to 65W), Q670, 2 x DDR5 SO-DIMM up to 64GB, 2 x DisplayPort, 2 x HDMI, 6 x USB3.1, 2 x USB2.0, 12~36V DC-IN, Operating Temp. -20~+60°C (Options for -40°C)